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## Patents : Herbs vs Covid / SARS / MERS

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**CN1291730C**

### **Application of goldenrod in preparation of medicine for preventing and treating SARS virus**

#### **Abstract**

The invention discloses the Chinese medicine of treatment and prevention SARS virus, the Chinese medicine that has solved present treatment and prevention SARS virus lacks the medicine that obvious specific aim, effectiveness are arranged, and utilizes the raw material that comprises *Herba Solidaginis* to make the solution stock solution of treatment and prevention SARS virus (comprising other coronavirus); Oral liquid, injection, spray or electuary, decoction pieces, capsule pharmaceutical. Chinese medicine of the present invention has fairly obvious specific aim to kill to SARS virus and coronavirus and suppresses effect.

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**CN104906542A**

### **Traditional Chinese medicine composition for treating canine coronavirus infection and preparation method of traditional Chinese medicine composition**

#### **Abstract**

The invention relates to a traditional Chinese medicine composition for treating canine coronavirus infection and a preparation method of the traditional Chinese medicine composition. The traditional Chinese medicine composition is prepared from the following raw materials: *fructus evodiae*, *codonopsis pilosula*, *fresh ginger*, *Chinese yam*, *longan aril*, *honeysuckle*, *brucea javanica* and *root of Chinese pulsatilla*; the traditional Chinese medicine composition can be a granule. The preparation method comprises the following preparation steps: (1) crushing the traditional Chinese medicines into 40-100 meshes, weighing according to the formula ratio, and mixing in a three-dimensional manner to obtain traditional Chinese medicine powder; (2) feeding the traditional Chinese medicine powder into an extraction tank, adding 5-15fold water, and boiling twice and 2-12 hours each time; (3) filtering and removing herb residues, and merging filtrate of twice; (4) carrying out vacuum concentration on filtrate at 30-80 DEG C until the volume is 10%-30% of original volume to obtain a concentrated extract; (5) weighing 20-50 parts of anhydrous sodium sulphate, 10-50 parts of white granulated sugar and 20-60 parts of starch, and mixing the anhydrous sodium sulphate, the white granulated sugar and the starch; (6) evenly adding 10-20 parts of concentrated extract into the mixed powder by three times, adding while stirring for 10-30 minutes; and (7) granulating, and drying at 40-80 DEG C, so as to obtain the finished product. The traditional Chinese medicine composition provided by the invention has the efficacies of lowering the

adverse flow of qi, preventing or arresting vomiting, supporting yang, checking diarrhea, strengthening the spleen, benefiting vital qi, soothing the nerves, clearing away heat and toxic materials, cooling blood and checking dysentery; and the recovery rate on the canine coronavirus infection can reach more than or equal to 95%.

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**RU2423996C1**

## **METHOD OF PHYTOPREPARATION THERAPY OF GASTROINTESTINAL DISEASES IN CALVES**

### **Abstract**

FIELD: medicine. SUBSTANCE: invention relates to veterinary science. The method involves a subcutaneous injection of reconvalescent blood serum containing rota- and coronavirus antihemagglutinins. It is combined with an intake of 70% alcoholate of a grinded herbal mixture containing equal proportions of *purple Echinacea (Echinazea purpurea) herb and blossom clusters*, *Syrian rue (Peganum harmala) herb*, *tillet (Tilia cordata) blossom and common licorice (Glycyrrhiza glabra) roots*. The alcoholate is prepared in the raw material to extractant relation 1:10, kept at temperature 15-20C for 7 days. It is presented as 7-8% aqueous solution to be introduced in dosage 2.0-2.5 ml/kg of live weight every 12 hours to clinical recovery. ^ EFFECT: method provides higher resistance and fast micro- and macroelements rebalancing in an animal's organism.

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**CN107982357A**

## **Chinese medicinal composition for treating respiratory tract viral infection and preparation method thereof**

### **Abstract**

The invention discloses a Chinese medicinal composition for treating a respiratory tract viral infection. The Chinese medicinal composition for treating the respiratory tract viral infection comprises *Lygodium japonicum Sw*, *griffith streptocaulon roots*, *orange peel*, *subopposite milkwort herb*, *herba menthae spicatae*, *delavay gerbera root*, *radix angelicae*, *hemp-leaved vitex root*, *ordos wormwood herb*, *anisopappus chinensis*, and *moldavian dragon's-head*. The invention further discloses a preparation method of the Chinese medicinal composition. The Chinese medicinal composition for treating the respiratory tract viral infection disclosed by the invention uses natural Chinese herbal medicines as raw materials, and has the effects of clearing away heat and toxic materials, promoting dampness, eliminating inflammation, resisting inflammation, cooling blood, opening the inhibited lung-energy, relieving cough, expelling phlegm, relieving sore throat and the like; the Chinese medicinal composition disclosed by the invention has an accurate curative effect and no toxic or side effects, can effectively cure the respiratory tract viral infection and avoid relapse, and can be used for treating or prevent respiratory tract virus infectious diseases caused by an influenza A virus, an influenza B virus, a rhinovirus, a coronavirus, a respiratory syncytial virus, an adenovirus, a parainfluenza virus, an echo virus, a Cocksackie virus and the like clinically.

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**RU2010116510A**

## **METHOD OF TREATING GASTROINTESTINAL DISEASES IN CALVES**

### **Abstract**

FIELD: medicine.SUBSTANCE: declared invention refers to veterinary science, and aims at treating gastrointestinal diseases in calves. A method involves using the subcutaneous injections of convalescent's blood serum containing rota- and coronavirus antihemagglutinin in titres 1:128 and 1:64 respectively. The serum is introduced in a dose of 10.0 ml once a day for 9 days every 48 hours. That is combined with administering an infusion of a milled mixture of equal portions of *purple Echinacea herb and blossom clusters (Echinacea purpurea)*, *coltsfoot herb (Tussilago farfara)*, *tillet blossom (Tilia cordata)* and *liquorice root (Glycyrrhiza glabra)* prepared with the relation of the raw material to extractant that is 70% alcohol - 1:10 and kept at temperature 15-20°C for 7 days in the form of 7-8% aqueous solution in a dose of 3.5-4.5 ml/kg of animal's body weight every 12 hours to the clinical recovery.EFFECT: use of the declared invention provides the higher body resistance and faster recovery of the animal's body micro- and macroelement balance.

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### CN104258116A

#### Oral liquid for treating viral influenza liquid

##### Abstract

The invention relates to oral liquid for treating viral influenza. The oral liquid comprises the following active pharmaceutical ingredients in parts by weight: *18-24 parts of semen armeniacae amarae*, *15-25 parts of bulbus fritillaria thunbergii*, *8-11 parts of pericarpium citri reticulatae viride*, *8-14 parts of succus bambusae*, *10-13 parts of Chinese ephedra*, *8-14 parts of canton hedyotis herb*, *8-13 parts of ligusticum wallichii*, and *8-14 parts of smoked plum*. The active pharmaceutical ingredients are matched with auxiliary materials and a flavoring agent to prepare the oral liquid capable of treating the viral influenza by a conventional procedure; the pharmaceutical materials in the prescription all are natural traditional Chinese medicines; the materials are easy to take; the formula and the preparation method are simple; the medicine preparation cost is low; the effect on treatment or prevention of the viral influenza caused by an influenza virus, a coronavirus, a parainfluenza virus, an adenovirus and the like in clinical is good; and the curative ratio is high.

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### CN1135111C

#### Anti SARS Chinese herb medicine decoction

##### Abstract

The invention provides a kind of anti-sars type pneumonia soup, with the following fried one-tenth of medical material mixing water of respectively distinguishing the flavor of: *Radix Scutellariae: 0.5~10 weight portion*, *Fructus Gardeniae: 0.5~10 weight portion*, *Flos Lonicerae: 0.5~10 weight portion*, *Fructus Forsythiae: 0.5~10 weight portion*, *the Radix Rehmanniae: 0.5~10 weight portion*, *Gypsum Fibrosum: 0.5~10 weight portion*, *Flos Chrysanthemi Indici: 0.5~10 weight portion*, *Rhizoma Osmundae: 0.5~10 weight portion*, *Radix Platycodonis: 0.5~10 weight portion*, *Herba Menthae: 0.5~10 weight portion*, *Fructus Arctii: 0.5~10 weight portion*, *Radix Glycyrrhizae: 0.5~10 weight portion*. Anti-sars type pneumonia soup of the present invention has good effect to prevention and treatment SARS or doubtful SARS.

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### CN1202834C

## **Application of effective part of Chinese medicinal material lindley eupatorium herb in preparing antiviral medicine**

### **Abstract**

Lindley eupatorium herb general flavone and pharmaceutically acceptable salt thereof are prevented and treated viral purposes of especially preventing and treating in the SARS virus medicine in preparation, lindley eupatorium herb general flavone mainly is selected from *Quercetin, kaempferol, brown cyanidin, hyperin, trifolin, astragalin, the perhaps mixture of Quercetin, kaempferol, brown cyanidin, hyperin, trifolin and astragalin, lindley eupatorium herb* general flavone is 100ug/ml to VeroE6 cell non-toxic concn, and this concentration has complete inhibitory action to SARS virus.

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### **CN1456346A**

#### **Chinese medicinal herb drug formulating method for preventing SARS**

### **Abstract**

A Chinese medicine for preventing and treating SARS is prepared from *shoestring fungus of gastrodia tuber, tuckahoe fungus, ganoderma fungus, tremella*, etc. It can regulate human mechanism and improve immunity. Its advantages are sure action and no toxic by-effect.

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### **CN1672717A**

#### **SARS preventing and treating Chinese medicine prepn**

### **Abstract**

The Chinese medicine preparation for preventing and treating SARS is prepared with *eucalyptus leaf, honeysuckle, isatis leaf, sweet wormwood herb, cordate houttuynia and other eight kinds of Chinese medicinal materials*, and through conventional decoction process to form oral Chinese preparation. The Chinese medicine preparation has the functions of clearing away heat and toxic material, relieving cough and releasing stagnated lung energy, and thus has the effects of preventing and treating SARS, influenza and common cold. In addition, the Chinese medicine has also determined curative effect on acute wind-heat syndrome, epidemic parotitis, hepatitis, etc.

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### **GB2425476A**

#### **Multi-herb medicament for the treatment of SARS**

### **Abstract**

The use of a multi-herb medicament comprising ethanolic extract obtained from a species of the genus *Scutellaria* for the treatment of a patient with a SARS-CoV infection. The extract is selected from selected from *Scutellaria baicalensis, S. amoena, S. barbata, S. discolor, S. hypericifolia, S. inbica, S. likiangensis, S. orthocalyx, S. rehderiana, S. scissiliflora and S. viscidula*. The other botanical drug substances and/or ingredients may be selected from *Lonicera, Forsythia or Rabdosa* and may be 2, 3 or 4 herb products. Alternatively, a suspension dosage medicament comprising an ethanolic extract obtained from *Scutellaria baicalensis, S. amoena, S. barbata, S. discolor, S. hypericifolia, S. inbica, S. likiangensis, S. orthocalyx, S. rehderiana, S. scissiliflora and S. viscidula*. The suspension dosage medicament may further contain *Lonicera, Forsythia* as botanicals. Preferably, the extracts are standardised against markers of the active ingredients.

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**CN1238037C**

**Medicine for treating pneumonia and SARS**

**Abstract**

The present invention relates to a kind of medicine for the treatment of pneumonia and atypical pneumonia, it is *Herba Patriniae*, *cyrtomium fortunei*, *Flos Lonicerae*, *Fructus Forsythiae*, *Radix Scutellariae*, *Radix Saposhnikoviae*, *Bulbus Fritillariae Thunbergii*, *Radix Puerariae*, *Radix Platycodonis*, *Rhizoma Phragmitis*, *Radix Codonopsis*, *Herba Houttuyniae*, *Rhizoma Polygonati Odorati*, *Herba Dendrobii*, *Rhizoma Et Radix Notopterygii*, *Folium Isatidis*, *Radix Pseudostellariae*, *Radix Isatidis*, the *Herba Hedyotidis Diffusae* of being made by following component. The present invention utilizes the combination drug effect of every Chinese herbal medicine low cost, curative effect can thoroughly effect a radical cure rapidly pneumonia and SARS soon and in a short time.

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**CN1291730C**

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The invention discloses the Chinese medicine of treatment and prevention SARS virus, the Chinese medicine that has solved present treatment and prevention SARS virus lacks the medicine that obvious specific aim, effectiveness are arranged, and utilizes the raw material that comprises *Herba Solidaginis* to make the solution stock solution of treatment and prevention SARS virus (comprising other coronavirus); Oral liquid, injection, spray or electuary, decoction pieces, capsule pharmaceutical. Chinese medicine of the present invention has fairly obvious specific aim to kill to SARS virus and coronavirus and suppresses effect.

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**CN1470282A**

**Chinese medicine complex prescription for treating SARS and its preparatory method**

**Abstract**

The invention provides a compound for curing SARS, which comprises *platycodon grandiflorum*, *gyp*, *Chinese Wolfberry Root-bark*, *forsythia*, *Tangerine Peel*, *Immature Trifoliolate-orange Fruit*, *Pepperweed Seed*, *chuanbei*, *Arctium lappa*, *Chinese herbaceous peony*, *radix bupleuri*, *the root of kudzu vine*, *Fineleaf Schizonepeta Herb*, *mint*, *liquorice*, *phaseolus radiatus*, the Chinese traditional medicine is condensed and extracted with proper proportion.

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**CN1548146A**

**Chinese medicine for preventing and treating virus disease**

**Abstract**

The Chinese medicine for preventing and treating virus disease is prepared with *matrine*, *margosine*, *chuanliansu*, *stone-like omphalia*, and *speranskia* herb essence. The present invention has the advantage that matrine with functions of diminishing inflammation and

detoxication cooperates with margosine and chuanliansu to inhibit and decompose proteinase essential for SARS virus duplication while preventing lung fibrous tissue necrosis caused by human body's immune stress reaction to reach the aim of preventing and treating SARS virus. Where, stone-like omphalia can speed the decomposition of SARS virus protein and proteinase and speranskia herb essence is cell penetrating agent with promoting effect.

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#### **CN1650940A**

### **Chinese herbal medicine for treating cypridopathy, avariosis, aids and virus infection SARS**

#### **Abstract**

5 Chinese medicine prescription for treating venereal disease, syphilis, AIDS and SARS is disclosed. The Chinese medicine A is prepared from 10 Chinese-medicinal materials including *honeysuckle flower*, *dandelion herb*, etc. The Chinese medicine B is prepared from 10 Chinese-medicinal materials including *green chiretta*, *isatis leaf*, etc. The Chinese medicine C is *garlicin*. The Chinese medicine D is a *chrysanthemum flower-sweet wormwood decoction*. The Chinese medicine E is a *polyose-ginseng-astragalus root mixture*.

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#### **CN1548060A**

### **Epidemic prevention baccal tablet**

#### **Abstract**

The epidemic protection baccal tablet capable of preventing SARS and other infectious diseases is prepared with *dahurian angelica root*, *asarum herb*, *borneol*, cinnabar and other medicine material. It has the functions of clearing away heat and toxic matter, killing germs, eliminating evil, and invigorating stomach and spleen, can prevent virus from invading human body from mouth and nose, and has excellent effect of preventing SARS and other infectious diseases.

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#### **CN1548081A**

### **Medicine for treating viral pulmonitis**

#### **Abstract**

The medicine for treating viral pulmonitis, including SARS, is prepared with 27 kinds of Chinese medicinal materials, including *cordate houttuynia*, *andrographis herb*, *isatis root*, etc. The medicine has obvious viral pulmonitis treating effect, can prevent damage of other organs caused by viral infection, and has no side effect and simple production process.

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#### **CN100431572C**

### **Application of Kudancao in use for resisting lung fibrosis**

#### **Abstract**

The application of Radix Gentianae pulmonary fibrosis resistant the invention belongs to the pharmaceutical product that contains organic effective ingredient. The pathological change that SARS patient occurred in the terminal stage of a disease is consistent with the main pathological characteristic collagen fiber hypertrophy of pulmonary fibrosis, interstitial

pulmonary fibrosis etc. *Radix Gentianae* is a kind of Chinese herbal medicine commonly used wide, that toxic and side effects is few of originating, and is usually used in treating multiple infectious disease clinically. The present invention is with the medicine of *Radix Gentianae* as treatment SARS and pulmonary fibrosis resistant. Animal pharmacology experiment of the present invention shows that *Radix Gentianae* has the pharmacotoxicological effect of pulmonary fibrosis

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#### CN1194752C

##### **Anti-virus Chinese medicine composition and preparation process thereof**

###### **Abstract**

The invention provides a kind of anti virus herb compositions and preparation method, treatment and prophylactic as severe acute respiratory syndrome, it is principle that this Chinese medicine composition expels the heat-evil with antipyretic and detoxicated, lung qi dispersing, suitably compatibility repelling foulness with aromatics, Qi invigorating are set upright, the crude drug for preparing the active ingredient of this anti virus herb compositions comprises following weight portion: *Fructus Forsythiae* 225, *Flos Lonicerae* 255, *Radix Isatidis* 255, *Semen Armeniacae Amarum* 85, *Mentholum* 7.5, *Herba Houttuyniae* 255, *Radix Et Rhizoma Rhei* 51, *Herba Pogostemonis* 85, *Rhizoma Dryopteris Crassirhizomatis* 255, *Radix Rhodiolae* 85, *Herba Ephedrae* 85, *Radix Glycyrrhizae* 85, *Gypsum Fibrosum* 255. The external anti-SARS virus drug efficacy study of the medicine that Microbiology and Epidemic Disease Inst., Academy of Military-Medical Sciences (C carries out shows that compositions of the present invention is to the inhibition medium effective concentration (IC of SARS virus) be 3.63mg/ml, therapeutic index is 40.33, illustrates that antiviral composition concentration of the present invention can obviously suppress SARS virus greater than 0.09mg/ml.

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#### CN101347424A

##### **Use of luteolin in preparing anticomplement medicament**

###### **Abstract**

The invention belongs to the field of traditional Chinese medicine, and relates to a new application of luteolin for preparing an anti-complement medicine. In the invention, the luteolin is separated and extracted from a traditional Chinese medicine formula used for preventing and treating severe acute respiratory syndrome (SARS); the traditional Chinese medicine formula consists of *heartleaf houttuynia herb*, *wild chrysanthemum*, *herba artemisiae capillaries*, *fortune eupatorium herb* and *tsaoko* with the weight ratio of 15: 6: 15: 10: 3; and experiments prove the anticomplement activity of the classical pathway and alternative pathway. The compound luteolin contained in the anticomplement medicine can be taken as an active ingredient for preparing a novel anticomplement medicine.

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#### CN1626197A

##### **Method for preparing external and internal remedies for treating diseases of AIDS, ulcer of oral cavity, burn and scald, and usage**

###### **Abstract**

This invention use medicine aqua and Chinese medicinal parenteral solution inside and

outside being, climbing fern herb of rogue, ablution, boiling out, distill various formulations of Chinese medicinal aqua and Chinese medicinal parenteral solution, filter to get, it can be used for the treatment of diseases such as SARS, HIV, various virus, etc., AIDS and stomatocace (ulcer), burn, scald, trauma, cold injury, cure diseases such as damaged infection and rotten ulcer of all skin and dermatosis, etc.. Gynaecological disease and leucorrhea are abnormal, vaginitis, pudendum tickle, cervical erosion, diseases such as men and women's generative organ is dirty and discredited, eczema, herpes zoster virus, various odontopathy itai-itai disease, etc., chronic pharyngolaryngitis, whooping cough, various gastropathy, gastralgia, gastric ulcer, etc. disease, diseases such as hemorrhoid, anal fissure, constipation, STD, etc., improve the immunological function, promote health and care skin, cerebral thrombosis, such diseases as interior disease diminishes inflammation.

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### **CN101199805A**

#### **Nanometer patch of prevention non-typical pneumonia**

##### **Abstract**

The invention provides a nanometer plaster for treating SARS, belonging to the medicine preparation containing traditional herbs or the medical preparation characterized by flaky base material. The invention is prepared by the raw materials with the following weight part proportion: *Houttuynia cordata* Thuhb. 10-15 parts; *Flos Chrysanthemi Indici* 4-8 parts, *Herba Artemisiae Scopariae* 1-15 parts, *Fortune Eupatorium Herb* 10-15 parts and *Fructus Tsaoko* 3-5 parts. The raw materials are medically crushed and then are extracted under CO<sub>2</sub> supercritical method and fractioned in a fractionating tower; the liquid medicine got from the above steps is grinded in a colloid mill, Beta cyclodextrin is added into the grinded liquid and is mixed with the liquid medicine to be prepared into nanometer serum; the nanometer serum and a surface active agent are arranged in a certain proportion into a coater and then coated on the base material; thereby the plaster is prepared well.

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### **CN1329059C**

#### **Antivirus medical broth of compound Neilupaer**

##### **Abstract**

Antiviral decoction of a compound Neilupaer, it contains, sleeps *Flos Nelumbinis* according to part by weight of raw materials, *Cichorium intybus*, *Prunus humilis*, sunflower of Sichuan Province, supernatural *Rhizoma et radix valerianae*, *Herba Achilleae*, trivial trivial grape, 2% *Nipagin A*, 10% benzoic acid, protein sugar. Antiviral decoction of compound Neilupaer of the invention, the product quality is stable, it is safe under the conditions of clinical dosage, its amount can obviously increase the production of serum haemolysin of mouse, have the patent multiplier effect on lymphocyte culture of in vitro B, have not obviously influenced the T lymphocyte, it can obviously enhance the phagocytic function of mouse's abdominal cavity's macrophages, it can enhance humoral immunity and nonspecific immunological function, contribute to the antibody formation, the Melissa Extract, thus is especially suitable for the prevention to SARS. The preparation method of antiviral decoction of compound Neilupaer of the invention is easy to realize the industrialization.

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### **CN1240404C**



## Chinese herbal medicine prescription for prevention and treatment of atypical pneumonia

### Abstract

A kind of Shi Shi universe soup of prophylactic treatment atypical pneumonia, develop for preventing and treating the regional popular atypical pneumonia of present majority, be with *Radix Gossypii*, *Pumex* or *Fructus Luffae* do, *Herba Taraxaci* is that main and auxiliary, assistant three flavor medicine compatibilities become a prescription and No. two prescriptions, make decoction, dissolved granule, have very strong anti-pathogen antiviral, the heat-clearing and toxic substances removing that induces sweat, cough-relieving, eliminate the phlegm, antiasthmatic effect. In order to prevention " atypical pneumonia ", and treatment " atypical pneumonia " patient. Decoction that the present invention makes and dissolved granule, have very strong anti-pathogen antiviral, the heat-clearing and toxic substances removing that induces sweat, cough-relieving, eliminate the phlegm, antiasthmatic effect. Through test, its prevention effect is obvious.

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CN1194768C

### Anti epidemic air freshener

### Abstract

The present invention relates to a kind of pure natural plant green air epidemic prevention freshener, form by the Chinese crude drug mixed preparing. Its prescription comprises: *Herba Lysimachiae*, *Flos Lonicerae*, *Herba Houttuyniae*, *Herba Patriniae*, *Radix Isatidis*, *Borneolum Syntheticum*, *Rhizoma Osmundae*, *Herba Taraxaci*, *Herba Violae*, *Fructus Gardeniae*, *Flos Chrysanthemi Indici*, *Rhizoma Atractylodis*, *Radix Glycyrrhizae*, *Camphora*, *Herba Hedyotidis Diffusae*, *Mentholum*, *Herba Scutellariae Barbatae*, *Herba Pogostemonis*, *Herba Lysimachiae foenum-graeci*, the *Radix Angelicae Dahuricae*. Its compound method comprises: above-mentioned Chinese crude drug is put into 75% ethanol and soaked 1~2 hour, concoct by traditional method, extract concentrated solution then. The epidemic prevention agent that the present invention produces, the multiple infectious disease of preventing epidemic (comprising atypical pneumonia) makes environment fragrance elegant, increases the breath of the Nature, and is pleasant comfortable. No chemical constituent, harmless to health. Belong to the pollution-free food class, environment-friendly novel.

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OR : Ozone Therapy : <http://www.rexresearch.com/o/oindx.htm>

<https://www.newstarget.com/2020-02-18-south-korea-successfully-treating-coronairus-oxygen-therapy.html> South Korea says it's successfully treating coronavirus patient with natural oxygen therapy.

Brown's Gas for Health : <http://www.rexresearch.com/bghealth/bghealth.html>

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