

Immune Design Corp

COMPANY AND PIPELINE OVERVIEW REPORT

A comprehensive coverage of the company and a summary of the drug pipeline portfolio.

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ABOUT COMPANY AND PIPELINE OVERVIEW REPORT

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GLOSSARY

Number of Drugs in Active Development

Number of drugs associated with the company or subsidiary that are currently in active development, i.e. the development status for the drug(s) is one of the following: Discovery, Clinical, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Number of Inactive Drugs

Number of drugs associated with the company or subsidiary that are currently classified as inactive, i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.

Number of Patents as Owner

Number of patents associated with the company where the company is listed as owner; i.e. the relationship type (or way the patent refers to the company) is: Patent Assignee/Owner, Patent owner (not assignee), Licensee for development and marketing, Licensee – marketing only (Distributor), Patent assignee of family member, Inferred assignee.

Number of Patents as Third Party

Number of patents associated with the company where the company is listed as third party; i.e. the relationship type (or way the patent refers to the company) is: Patent assignee (not owner), Ex-Licensee for development and marketing, Ex-Licensee marketing only (Distributor), Customer of technology, Ex-Customer of technology, Patent opponent or infringer, Affiliate organization of inventor, Owner of underlying technology.

Patents summary table

This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

Number of Deals

A count of deals where the company or one of its subsidiaries is the primary company.

Key Indications

Displays top ten key indications for the company and its subsidiaries based on frequency (indications occurring with high and identical frequency are always included, and this may result in more than ten Key Indications being listed). Includes both indications associated with patents where the company is patent owner and indications associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Key Target-based Actions

Displays top ten key target-based actions for the company and its subsidiaries based on frequency (actions occurring with high and identical frequency are always included, and this may result in more than ten Key Target-based Actions being listed). Includes both target-based actions associated with patents where the company patent owner and target-based actions associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended. A target-based action is one that is associated with a target.

Key Technologies

Displays top ten key technologies for the company and its subsidiaries based on frequency (technologies occurring with high and identical frequency are always included, and this may result in more than ten Key Technologies being listed). Includes both key technologies associated with patents where the company relationship is patent owner and key technologies associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

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PLEASE NOTE: the financials section where present in the report includes: Share Information, Stock Performance chart (including the consensus recommendation), and Major Shareholders. Financial Performance presents graphical and tabular data on Worldwide Sales, Operating Income and Net Income over time, together with a Quarterly earnings update. Balance Sheet lists Assets, Liabilities and Stockholders Equity, and Forecasts includes: EPS Forecast and Other Forecasts. The data reported in all sections (except share information and major stock holders) are correct as of the publication date of the report (and not the download date). For share information and major stock holders the data is correct for the date shown with these sections



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Immune Design Corp

COMPANY OVERVIEW

Company Name	Immune Design Corp
Parent Company Name	Immune Design Corp
Website	http://www.immunedesign.com/
Country	US
Number of Drugs in Active Development	9
Number of Inactive Drugs	2
Number of Patents as Owner	12
Number of Patents as Third Party	0
Number of Deals	16
Key Indications	Cancer, HSV-2 infection, Food hypersensitivity, SARS coronavirus infection, Solid tumor, Vaccination, Colon tumor, Merkel cell carcinoma, Prostate tumor, Viral infection
Key Target-based Actions	TLR-4 agonist,T-cell surface glycoprotein CD8 stimulator,Cancer testis antigen NY-ESO-1 inhibitor,TLR-4 antagonist,Carbonic anhydrase-IX stimulator,Glutamate carboxypeptidase II stimulator,HIV GAG protein stimulator,Hemagglutinin stimulator,Homeobox protein Nkx 3.1 stimulator,Prostate specific antigen stimulator,Prostatic acid phosphatase stimulator,Rev protein stimulator,TLR agonist,Viral envelope glycoprotein
Key Technologies	Biological therapeutic, Parenteral formulation unspecified, Virus recombinant, Systemic formulation unspecified, Drug combination, Intradermal formulation, Intramuscular formulation, Intratumoral formulation, Antigen, Lipid

COMPANY PROFILE

SUMMARY

Immune Design, founded in 2008, a spin-off of California Institute of Technology, aims to develop prophylactic and therapeutic vaccines for infectious diseases, cancer, allergy and autoimmune disorders. The company has identified improved adjuvants and novel technologies targeting and controlling dendritic cells.

In April 2014, the Paris Commercial Court found, among other things, that Henogen SA had breached its contractual obligations to THERAVECTYS by making lentiviral vectors for Immune Design Corp (IDC). In July 2014, THERAVECTYS filed a lawsuit against IDC in the Delaware Court of Chancery, to seek preliminary and permanent injunctive relief, and also monetary damages. THERAVECTYS raised claims of tortious interference with contractual relations, misappropriation of trade secrets, unfair competition and unjust enrichment, by manufacture of lentiviral vectors for IDC by Henogen.

COMPANY LOCATION

The company is headquartered in Seattle, WA.

By October 2013, the company had expanded operations to include a San Francisco office with plans to further expand in the Bay Area.

LICENSING AGREEMENTS

In November 2008, the Immune Design Corp was granted a license to the Infectious Disease Research Institute (IDRI)'s Glycopyranosyl Lipid Adjuvant (GLA) technology, for combination with undisclosed therapeutic vaccine products in a number of indications. IDRI would retain worldwide exclusive rights to develop the technology for products against certain indications, including infectious disease, in the developing world, and would retain rights to develop the technology non-commercially for provision to not-for-profit organizations. Immune Design concurrently established its Global Access Plan, to provide better access to GLA-formulated products for diseases in the developing world.

FINANCIAL



In October 2014, the company was added to the Russell 2000 Index.

In July 2014, immune design planned to raise \$60 million from an initial offering of 5,000,000 shares, priced at \$12 per share. The company also granted the underwriters a 30-day option to purchase up to 750,000 additional shares of common stock. At that time, the offering was expected to close on July 29, 2014. The shares had begun trading on the NASDAQ Global Market under the symbol "IMDZ". Later in July 2014, the company raised gross proceeds of \$60 million from the closed offering.

In October 2013, the company raised \$49 million in a series C financing which included an upfront investment of \$32.5 million, with an additional investment of \$16.5 million.

In July 2010, Immune Design secured \$32 million in series B financing.

In June 2008, Immune Design raised \$18 million in series A financing.

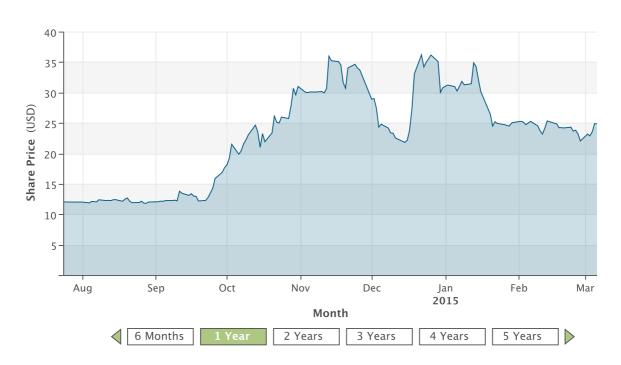
COMPANY FINANCIALS

SHARE INFORMATION

Close Price (USD)	24.84
Change (USD)	-0.06 (-0.24%)
Previous Close Price (USD)	24.90
Volume	33,003
52-Week High (USD)	40.13
52-Week Low (USD)	11.51
Date	06-Mar-2015
Exchange	NASDAQ(COMPOSITE)
Current Number of Shares Outstanding	16,878,817
Current Market Capitalization	372,009,127
EPS (Date Reported)	-0.6984



Stock Performance



MAJOR SHAREHOLDERS

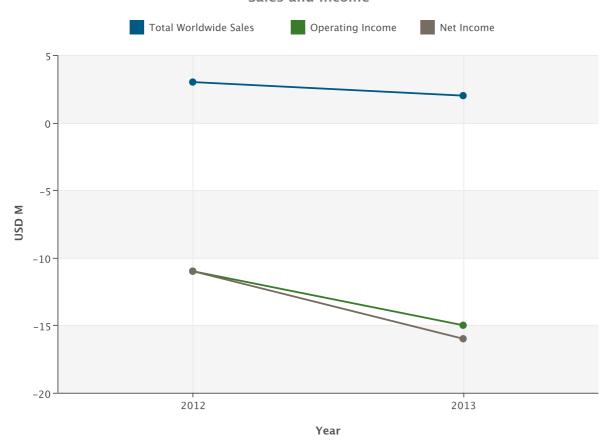
Shareholder	Туре	Country	Shares held	% of shares held	Change in holding	% changes in shares held	Date
Fidelity Select Biotechnology Portfolio	Mutual Fund	United States	685,741	4.06	-1,623	-0	31-Jan-2015
Fidelity Advisor Biotechnology Fund	Mutual Fund	United States	131,100	0.78	-300	-0	31-Jan-2015
iShares Russell 2000 ETF	Mutual Fund	United States	98,277	0.58	-5,685	-0.05	28-Feb-2015
JPMorgan U.S. Small Company Fund	Mutual Fund	United States	79,500	0.47	4,900	0.07	31-Jan-2015
AST Federated Aggressive Growth Portfolio	Mutual Fund	United States	51,896	0.31	3,656	0.08	31-Jan-2015
Vanguard Total Stock Market Index Fund	Mutual Fund	United States	40,948	0.24	0	0	31-Jan-2015
iShares Russell 2000 Growth ETF	Mutual Fund	United States	42,778	0.25	3,128	0.08	28-Feb-2015
JPMorgan Small Cap Value Fund	Mutual Fund	United States	34,900	0.21	-3,500	-0.09	31-Jan-2015
Fidelity Spartan Extended Market Index	Mutual Fund	United States	18,506	0.11	0	0	31-Jan-2015



Fund							
VALIC Co I Small Cap Aggressive Growth Fund	Mutual Fund	United States	17,034	0.1	1,234	0.08	31-Jan-2015
Vanguard Extended Market Index Fund	Mutual Fund	United States	15,640	0.09	8,941	1.33	31-Jan-2015
Dreman Value Management, L.L.C.	Investme nt Advisor/ Hedge Fund	United States	14,500	0.09	-1,400	-0.09	31-Jan-2015
JP Morgan Small Cap Core Fund	Mutual Fund	United States	14,500	0.09	-600	-0.04	31-Jan-2015
Met Investors Series Dreman Small-Cap Value	Mutual Fund	United States	14,500	0.09	-1,400	-0.09	31-Jan-2015
iShares Micro-Cap ETF	Mutual Fund	United States	14,775	0.09	-1,008	-0.06	28-Feb-2015
AST Small Cap Value Portfolio	Mutual Fund	United States	12,900	0.08	-300	-0.02	31-Jan-2015
John Hancock Funds II - Health Sciences Fund	Mutual Fund	United States	9,700	0.06	-8,700	-0.47	31-Jan-2015
NVIT Multi-Manager Small Cap Value Fund	Mutual Fund	United States	9,500	0.06	0	0	31-Jan-2015
Seasons Series Trust Small Cap Portfolio	Mutual Fund	United States	9,000	0.05	0	0	31-Jan-2015
John Hancock VIT - Health Sciences Trust	Mutual Fund	United States	8,600	0.05	0	0	31-Jan-2015



Sales and Income



	2013	2012	
Sales (USD M)	1.599	2.96	
Operating Income (USD M)	-15.057	-10.875	
Net Income (USD M)	-15.975	-10.84	

Quarterly earnings update

Period	Sales (USD M)	Operating Income (USD M)	Net Income (USD M)
2014 Q3	3.544	-6.557	-6.682
2014 Q2	1.064	-4.687	-6.126
2014 Q1	0.025	-5.513	-8.223
2013 Q3	0.129	-3.993	-3.994
2013 Q2	0.882	-3.638	-3.634
2013 Q1	0.564	-2.972	-2.941



BALANCE SHEET

Assets (USD M)

	2012	2013	
Cash & Short Term Investments	12.762	30.387	
Inventories - Total	0.252	0.017	
Current Assets - Total	13.714	30.67	
Property, Plant And Equipment - Net	0.538	0.295	
Other Assets - Total	0	0	
Total Assets	14.252	30.965	

Liabilities (USD M)

	2012	2013		
Accounts Payable	1.079	0.866		
Short Term Debt & Current Portion Of Long Term Debt	0	0		
Current Liabilities - Total	2.646	1.975		
Long Term Debt	0	0		
Other Liabilities	0	3.336		
Total Liabilities	2.646	5.405		

Stockholders Equity (USD M)

	2012	2013	
Minority Interest	0	0	
Preferred Stock	52	84.3	
Common Stock	0.003	0.003	
Total Liabilities & Shareholders' Equity	14.252	30.965	

FORECASTS

EPS Forecast

Year ending	Current Forecast	1 month ago	3 months ago
31-Dec-2015	-2.35	-2.35	-2.35
31-Dec-2016	-1.92	-1.92	-1.92
31-Dec-2017	-2.7	-2.7	-2.7

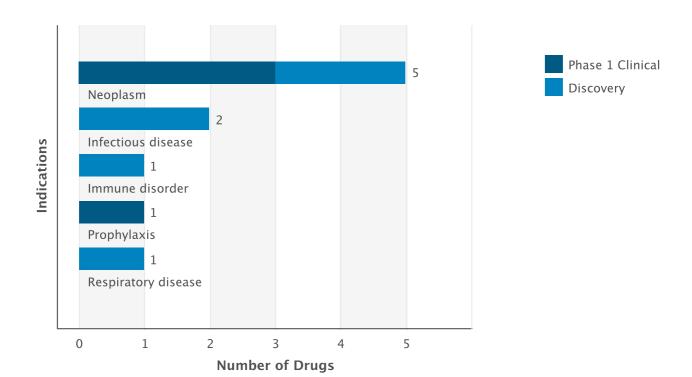
Other Forecasts

Year ending	DPS	CPS	Pretax	Sales
31-Dec-2015			-37.46	1.33
31-Dec-2016			-44.33	1.41
31-Dec-2017			-66.86	1.41

PRODUCT PORTFOLIO SUMMARY DRUGS

Drugs by Indication

Active Drugs by Indication Chart



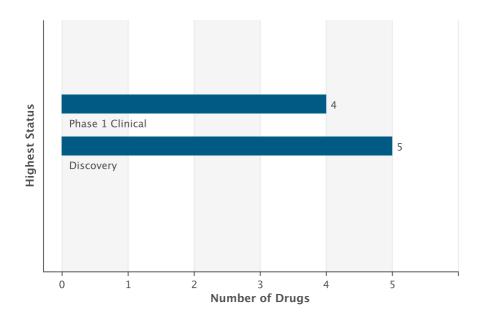


Drugs by Indication Table

Indication	Active	Inactive	Total
Neoplasm	5	0	5
Infectious disease	2	2	4
Respiratory disease	1	2	3
Prophylaxis	1	1	2
Immune disorder	1	0	1

Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 1 Clinical	4
Discovery	5
No Development Reported	2



DEALS

Deal Type	Prin	cipal	Par	tner	Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	1	0	0	0	1
Drug - Early Research/Development	1	0	0	0	1
Drug - Development/Commercialization License	5	0	1	0	6
Drug - Development Services	0	0	6	0	6
Technology - Delivery/Formulation	1	0	1	0	2

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Neoplasm	3	5
Dermatological disease	1	2
Endocrine disease	1	1
Gynecology and obstetrics	1	1
Genitourinary disease	1	1
Respiratory disease	1	1

Trials by Phase

Phase	Ongoing	All
Phase 2	0	1
Phase 1	3	5

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

PATENTS *

Indication	As Owner	As Third Party	Total
Endocrine disease	1	0	1
Gastrointestinal disease	1	0	1
Genitourinary disease	1	0	1
Andrology	1	0	1
Immune disorder	4	0	4
Neoplasm	8	0	8
Neurological disease	1	0	1
Respiratory disease	4	0	4
Infectious disease	11	0	11
Inflammatory disease	1	0	1
Otorhinolaryngological disease	1	0	1
Gynecology and obstetrics	1	0	1
Dermatological disease	1	0	1

^{*} This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

PRODUCT PORTFOLIO DRUGS

PLEASE NOTE: Highest status refers to highest development of that drug for one of the active companies

glucopyranosyl lipid A adjuvant, Immune Design Corp

Drug Name	glucopyranosyl lipid A adjuvant, Immune Design Corp
Key Synonyms	
Originator Company	Infectious Disease Research Institute
Active Companies	Immune Design Corp
Inactive Companies	Infectious Disease Research Institute
Highest Status	Phase 1 Clinical
Active Indications	Vaccination
Target-based Actions	TLR-4 agonist
Other Actions	Adjuvant, Immunostimulant
Technologies	Systemic formulation unspecified, Small molecule therapeutic
Last Change Date	28-Jan-2015

LV-305

Drug Name	LV-305
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Cancer
Target-based Actions	Cancer testis antigen NY-ESO-1 inhibitor, T-cell surface glycoprotein CD8 stimulator
Other Actions	Anticancer, Retrovirus based gene therapy, Therapeutic vaccine
Technologies	Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation
Last Change Date	13-Nov-2014

G-305

Companies Comp		
Originator Company Immune Design Corp Immune Design Corp Inactive Companies Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions TLR-4 agonist Other Actions Anticancer, Therapeutic vaccine Intramuscular formulation, Biological therapeutic	Drug Name	G-305
Active Companies Inactive Companies Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions TLR-4 agonist Other Actions Anticancer, Therapeutic vaccine Intramuscular formulation, Biological therapeutic	Key Synonyms	
Inactive Companies Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions TLR-4 agonist Other Actions Anticancer, Therapeutic vaccine Technologies Intramuscular formulation, Biological therapeutic	Originator Company	Immune Design Corp
Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions TLR-4 agonist Other Actions Anticancer, Therapeutic vaccine Technologies Intramuscular formulation, Biological therapeutic	Active Companies	Immune Design Corp
Active Indications Cancer Target-based Actions TLR-4 agonist Other Actions Anticancer, Therapeutic vaccine Technologies Intramuscular formulation, Biological therapeutic	Inactive Companies	
Target-based Actions TLR-4 agonist Other Actions Anticancer, Therapeutic vaccine Technologies Intramuscular formulation, Biological therapeutic	Highest Status	Phase 1 Clinical
Other Actions Anticancer, Therapeutic vaccine Technologies Intramuscular formulation, Biological therapeutic	Active Indications	Cancer
Technologies Intramuscular formulation, Biological therapeutic	Target-based Actions	TLR-4 agonist
	Other Actions	Anticancer, Therapeutic vaccine
Last Change Date 13-Nov-2014	Technologies	Intramuscular formulation, Biological therapeutic
Last offange Date	Last Change Date	13-Nov-2014

G-100, Immune

Drug Name	G-100, Immune
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Cancer
Target-based Actions	TLR-4 agonist
Other Actions	Anticancer, Therapeutic vaccine
Technologies	Intratumoral formulation, Biological therapeutic
Last Change Date	12-Feb-2015

IDC-G103

Drug Name	IDC-G103
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	HSV-2 infection
Target-based Actions	TLR-4 agonist
Other Actions	Therapeutic vaccine, Antiviral
Technologies	Biological therapeutic, Parenteral formulation unspecified
Last Change Date	22-Apr-2014

therapeutic vaccine (GLA adjuvanted, allergy), Sanofi/Immune Design

Drug Name	therapeutic vaccine (GLA adjuvanted, allergy), Sanofi/Immune Design
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp, Sanofi
Inactive Companies	
Highest Status	Discovery
Active Indications	Food hypersensitivity
Target-based Actions	TLR-4 agonist
Other Actions	Immunomodulator, Therapeutic vaccine
Technologies	Systemic formulation unspecified, Biological therapeutic
Last Change Date	29-Aug-2014

checkpoint inhibitors (LV-305 +/-GLA, cancer), Immune Design

Drug Name	checkpoint inhibitors (LV-305 +/-GLA, cancer), Immune Design
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	TLR-4 agonist
Other Actions	Retrovirus based gene therapy, Anticancer, Therapeutic vaccine, Immunostimulant
Technologies	Virus recombinant, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	05-Feb-2015

LV-305 + G-305

Drug Name	LV-305 + G-305
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Solid tumor
Target-based Actions	T-cell surface glycoprotein CD8 stimulator, TLR-4 agonist
Other Actions	Anticancer, Retrovirus based gene therapy, Therapeutic vaccine
Technologies	Drug combination, Virus recombinant, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	13-Nov-2014

RBD-S SARS vaccine (SARS), Sabin Vaccine Institute/Baylor College of Medicine/Immune Design Corporation/Walter Reed Army Institute of Research

Drug Name	RBD-S SARS vaccine (SARS), Sabin Vaccine Institute/Baylor College of Medicine/Immune Design Corporation/Walter Reed Army Institute of Research
Key Synonyms	
Originator Company	Baylor College of Medicine
Active Companies	Immune Design Corp, Sabin Vaccine Institute, Baylor College of Medicine, Walter Reed Army Institute of Research
Inactive Companies	
Highest Status	Discovery
Active Indications	SARS coronavirus infection
Target-based Actions	
Other Actions	Protein subunit vaccine, Prophylactic vaccine
Technologies	Biological therapeutic, Parenteral formulation unspecified, Protein recombinant
Last Change Date	15-Nov-2014



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