

**MEDICAL DIAGNOSTIC LABORATORIES, L.L.C.**

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A MEMBER OF GENESIS BIOTECHNOLOGY GROUP

**FOR LAB USE
ONLY****Pharmacogenomics Test Requisition Form****Ordering Physician/Laboratory**

(Required: Include the ordering physician's first & last name, NPI, practice name, complete address, phone number and fax number.)

Physician to receive additional result report:

Physician's Signature:

Date:

Patient Information (Please Print)

Name (Last, First) (Required):

In Care of:

Patient Address:

City:

State:

Zip:

Gender (Required):

☐ Female☐ Male

Date of Birth (Required):

Patient SS#:

Patient ID#:

Phone Number:

Billing Information (Please include a copy of the front & back of card.)

- ☐ Patient Billing
☐ Insurance Billing
☐ Path Lab/Hospital
☐ Physician Account

Relation (Required):

- ☐ Self
☐ Spouse
☐ Dependant

Diagnosis Codes (Required):

Please provide ALL applicable diagnosis codes.

Primary Insurance Carrier:

Insured's Name (if not patient):

Insured's SS#:

Insured's DOB:

Claims Address:

Medicare, Medicaid or Policy ID#:

Employer/Group Name:

Group#:

Specimen Information

Date Collected (Required):

Specimen Source:

Test Selection - by Specialty/Class**CARDIOLOGY**

- XXXX ☐ **Anti-Platelet Agents**- Clopidogrel, Prasugrel, Aspirin (CYP2B6, CYP2C9, CYP2C19, ITGB3)
 XXXX ☐ **Statins**- Atorvastatin, Fenofibrate, Fluvastatin, Lovastatin, Pitavastatin, Pravastatin, Rosuvastatin, Simvastatin (ABCG2, APOE, CYP3A4, KIF6, SLC01B1)
 XXXX ☐ **Anti-Clotting Agents**- Acenocoumarol, Coumarol, Phenprocoumon, Warfarin (CYP2C9, VKORC1)
 XXXX ☐ **Thrombophilia**- Factor 5 Leiden, Factor II (MTHFR)
 XXXX ☐ **Calcium Channel Blockers**- Amlodipine, Nifedipine (CYP3A4)
 XXXX ☐ **Beta-Blockers**- Carvedilol, Metoprolol, Timolol, Propanolol (CYP2D6, UGT1A1, UGT2B7)
 XXXX ☐ **Congestive Heart Failure** - Digoxin (ABCB1)
 XXXX ☐ **Anti-Arhythmatics** - Other - Flecainide, Propafenone (CYP2D6)
 XXXX ☐ **Anti-Hypertensives** - Other - Debrisoquine, Olmesartan, Sparteine (SLC01B1, CYP2D6)

Test Selection - by Specialty/Class**PAIN MANAGEMENT**

- XXXX ☐ **General**- Codeine, Fentanyl, Hydrocodone, Methadone, Morphine, Opioids, Oxycodone, Tramadol (ABCB1, COMT, OPRM1)

MALIGNANT DISEASE

- XXXX ☐ **ABCB1** - Anthracyclines, Capecitabine, Carboplatin, Cisplatin, Dexamethazone, Doxorubicin, Etoposide, Fluorouracil, Imatinib, Methotrexate, Oxaliplatin, Paclitaxel, Sorafenib, Sunitinib, Tamoxifen, Taxanes, Vincristine
 XXXX ☐ **ABCG2** - Fluorouracil, Folocox, Gefitinib, Sunitinib, Xelox,
 XXXX ☐ **CYP2B6** - Cyclophosphamide, Imatinib, Mitotane,
 XXXX ☐ **CYP2D6** - Tamoxifen
 XXXX ☐ **CYP3A4** - Cyclophosphamide, Docetaxel, Erythromycin, Midazolam, Tamoxifen
 XXXX ☐ **CYP3A5** - Imatinib, Sunitinib
 XXXX ☐ **DPYD** - Fluorouracil
 XXXX ☐ **MTHFR** - Capecitabine, Carboplatin, Cisplatin, Fluorouracil, Mercaptopurine, Methotrexate, Pemetrexed
 XXXX ☐ **SLC01B1**-Cyclophosphamide, Docetaxel, Doxorubicin, Epirubicin, Fluorouracil, Irinotecan, Methotrexate
 XXXX ☐ **TPMT** - Cisplatin, Cyclophosphamide, Mercaptopurine
 XXXX ☐ **UGT1A1** - Irinotecan

PSYCHIATRIC DISORDERS INCLUDING ADDICTION

- XXXX ☐ **Addiction to alcohol, cocaine, heroin, opioids & tobacco**- Bupropion, Disulfiram, Levodopa, Methadone, Naltrexone, Nicotine (ANKK1, CYP2B6, DBH, MTHFR, OPRM1)
 XXXX ☐ **ADHD**- Dextroamphetamine, Methylphenidate (DRD1)
 XXXX ☐ **Alzheimer's Disease**- Olanzapine, Risperidone (HTR2A)
 XXXX ☐ **Anxiety, Insomnia, severe agitation**- Escitalopram, Lorazepam, Midazolam, Oxazepam, Venlafaxine (COMT, CYP3A, HTR2A, UGT2B15)
 XXXX ☐ **Autism Spectrum Disorders**- Risperidone (HTR2A)
 XXXX ☐ **Bipolar Disorder**- Lithium (DRD1)
 XXXX ☐ **Depressive Disorder and Major Depressive Disorder**- Antidepressants, Amitriptyline, Citalopram, Clomipramine, Desipramine, Doxepin, Escitalopram, Fluoxetine, Fluvoxamine, Inipramine, Nortripramine, Paroxetine, Quetiapine, SSRIs (general), Trimipramine, Venlafaxine (ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A)
 XXXX ☐ **Epilepsy**- Carbamazepine, Lamotrigine, Phentoin, Valproic acid (ABCB1, CYP1A2, CYP2C9, CYP3A4, CYP3A5, UGT2B7)
 XXXX ☐ **Parkinson's Disease**- Entacapone (COMT)
 XXXX ☐ **Schizophrenia**- Aripiprazole, Antipsychotics (general), Chlormazine, Clozapine, Fluphenazine, Haloperidol, Nemonapride, Olanzapine, Risperidone, Thioridazine, Trifluoperazine (ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR)

INFECTIOUS DISEASE

- XXXX ☐ **HIV / AIDS**- Atazanavir, Efavirenz, Indinavir, Lamivudine, Lopinavir, Nelfinavir, Nevirapine, Ritonavir, Zidovudine (ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1)

IMMUNOLOGY / IMMUNE MODULATION

- XXXX ☐ **Transplantation**-Bisulfan, Cyclophosphamide, Cyclosporine, Methylprednisolone, Mycophenolic Acid, Prednisolone, Sirolimus, Tarcolumus (ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLC01B1)
 XXXX ☐ **Rheumatoid Arthritis**- Leflunomide, Methotrexate, Sulphasalazine (ABCB1, ABCG2, CYP1A2, MTHFR)
 XXXX ☐ **Type-II Diabetes**- Sulphonamides, Urea Derivatives (CYP2C9)
 XXXX ☐ **Ulcerative Colitis**- Tarcolumus (ABCB1, CYP3A5)
 XXXX ☐ **Inflammation**- Celecoxib, Dicofenac (CYP2C9)
 XXXX ☐ **Systemic Lupus Erythematosus**-Cyclophosphamide (CYP2C19)
 XXXX ☐ **Gout**- Allopurinol (ABCG2)

OTHER

- XXXX ☐ **Anaesthesiology**-Nitrous Oxide (MTHFR)
 XXXX ☐ **Beta Thalassemia**- Desrasirox (CYP1A2, UGT1A1)
 XXXX ☐ **Narcolepsy**- Modafinil (ABCB1)
 XXXX ☐ **Contraception**- Oral Contraceptives (FACTOR 2)

ALL TESTS BY NEXT GENERATION SEQUENCING**Other Tests/Panels:**

Physicians must only order tests that they have determined are medically necessary for the diagnosis and treatment of a patient. MDL offers individual tests, as well as a limited number of customized panels. If you choose to order a panel, please make certain that each and every test is medically necessary. If you check off a panel as your choice, MDL understands that the physician has determined that all of the component tests are medically necessary, and will perform, report and bill for all such component tests.

Test Selection - by Drug

Test #	Drug	Gene(s)	Test #	Drug	Gene(s)
xxxx	<input type="checkbox"/> Acenocoumarol	CYP2C9, VKORC1	xxxx	<input type="checkbox"/> Lovastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1
xxxx	<input type="checkbox"/> Allopurinol	ABCG2	xxxx	<input type="checkbox"/> Mercaptopurine	MTHFR, TPMT
xxxx	<input type="checkbox"/> Amitriptyline	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Methadone	ABCB1, ANKK1, COMT, CYP2B6, DBH, MTHFR, OPRM1
xxxx	<input type="checkbox"/> Amlodipine	CYP3A4	xxxx	<input type="checkbox"/> Methotrexate	ABCB1, ABCG2, CYP1A2, MTHFR, SLCO1B1
xxxx	<input type="checkbox"/> Anthracyclines	ABCB1	xxxx	<input type="checkbox"/> Methylphenidate	DRD1
xxxx	<input type="checkbox"/> Antidepressants	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Methylprednisolone	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1
xxxx	<input type="checkbox"/> Antipsychotics (general)	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR	xxxx	<input type="checkbox"/> Metoprolol	CYP2D6, UGT1A1, UGT2B7
xxxx	<input type="checkbox"/> Aripiprazole	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR	xxxx	<input type="checkbox"/> Midazolam	CYP3A4
xxxx	<input type="checkbox"/> Aspirin	CYP2B6, CYP2C9, CYP2C19, ITGB3	xxxx	<input type="checkbox"/> Mitotane	COMT, CYP2B6, CYP3A, HTR2A, UGT2B15
xxxx	<input type="checkbox"/> Atazanavir	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1	xxxx	<input type="checkbox"/> Modafinil	ABCB1
xxxx	<input type="checkbox"/> Atorvastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1	xxxx	<input type="checkbox"/> Morphine	ABCB1, COMT, OPRM1
xxxx	<input type="checkbox"/> Bisulfan	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1	xxxx	<input type="checkbox"/> Mycophenolic Acid	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1
xxxx	<input type="checkbox"/> Bupropion	ANKK1, CYP2B6, DBH, MTHFR, OPRM1	xxxx	<input type="checkbox"/> Naltrexone	ANKK1, CYP2B6, DBH, MTHFR, OPRM1
xxxx	<input type="checkbox"/> Capecitabine	ABCB1, MTHFR	xxxx	<input type="checkbox"/> Nelfinavir	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1
xxxx	<input type="checkbox"/> Carbamazepine	ABCB1, CYP1A2, CYP2C9, CYP3A4, CYP3A5, UGT2B7	xxxx	<input type="checkbox"/> Nemonapride	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR
xxxx	<input type="checkbox"/> Carboplatin	ABCB1, MTHFR	xxxx	<input type="checkbox"/> Nevirapine	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1
xxxx	<input type="checkbox"/> Carvedilol	CYP2D6, UGT1A1, UGT2B7	xxxx	<input type="checkbox"/> Nicotine	ANKK1, CYP2B6, DBH, MTHFR, OPRM1
xxxx	<input type="checkbox"/> Celecoxib	CYP2C9	xxxx	<input type="checkbox"/> Nifedipine	CYP3A4
xxxx	<input type="checkbox"/> Chlormazine	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR	xxxx	<input type="checkbox"/> Nitrous Oxide	MTHFR
xxxx	<input type="checkbox"/> Cisplatin	ABCB1, MTHFR, TPMT	xxxx	<input type="checkbox"/> Nortriptyline	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A
xxxx	<input type="checkbox"/> Citralopram	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Olanzapine	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR
xxxx	<input type="checkbox"/> Clomipramine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Olmesartan	SLCO1B1, CYP2D6
xxxx	<input type="checkbox"/> Clopidogrel	CYP2B6, CYP2C9, CYP2C19, ITGB3	xxxx	<input type="checkbox"/> Opioids	ABCB1, COMT, OPRM1
xxxx	<input type="checkbox"/> Clozapine	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR	xxxx	<input type="checkbox"/> Oral Contraceptives	FACTOR 2
xxxx	<input type="checkbox"/> Codeine	ABCB1, COMT, OPRM1	xxxx	<input type="checkbox"/> Oxaliplatin	ABCB1
xxxx	<input type="checkbox"/> Coumarol	CYP2C9, VKORC1	xxxx	<input type="checkbox"/> Oxazepam	COMT, CYP3A, HTR2A, UGT2B15
xxxx	<input type="checkbox"/> Cyclophosphamide	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1, TPMT	xxxx	<input type="checkbox"/> Oxycodone	ABCB1, COMT, OPRM1
xxxx	<input type="checkbox"/> Cyclosporine	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1	xxxx	<input type="checkbox"/> Paclitaxel	ABCB1
xxxx	<input type="checkbox"/> Debrisoquine	SLCO1B1, CYP2D6	xxxx	<input type="checkbox"/> Paroxetine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A
xxxx	<input type="checkbox"/> Desipramine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Pemetrexed	MTHFR
xxxx	<input type="checkbox"/> Desrasirox	CYP1A2, UGT1A1	xxxx	<input type="checkbox"/> Phenprocoumon	CYP2C9, VKORC1
xxxx	<input type="checkbox"/> Dexamethazone	ABCB1	xxxx	<input type="checkbox"/> Phentoin	ABCB1, CYP1A2, CYP2C9, CYP3A4, CYP3A5, UGT2B7
xxxx	<input type="checkbox"/> Dextroamphetamine	DRD1	xxxx	<input type="checkbox"/> Pitavastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1
xxxx	<input type="checkbox"/> Dicofenac	CYP2C9	xxxx	<input type="checkbox"/> Prasugrel	CYP2B6, CYP2C9, CYP2C19, ITGB3
xxxx	<input type="checkbox"/> Digoxin	ABCB1	xxxx	<input type="checkbox"/> Pravastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1
xxxx	<input type="checkbox"/> Disulfiram	ANKK1, CYP2B6, DBH, MTHFR, OPRM1	xxxx	<input type="checkbox"/> Prednisolone	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1
xxxx	<input type="checkbox"/> Docetaxel	CYP3A4, SLCO1B1	xxxx	<input type="checkbox"/> Propafenone	CYP2D6
xxxx	<input type="checkbox"/> Doxepin	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Propanalol	CYP2D6, UGT1A1, UGT2B7
xxxx	<input type="checkbox"/> Doxorubicin	ABCB1, SLCO1B1	xxxx	<input type="checkbox"/> Quetiapine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A
xxxx	<input type="checkbox"/> Efavirenz	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1	xxxx	<input type="checkbox"/> Risperidone	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR
xxxx	<input type="checkbox"/> Entacapone	COMT	xxxx	<input type="checkbox"/> Ritonavir	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1
xxxx	<input type="checkbox"/> Epirubicin	SLCO1B1	xxxx	<input type="checkbox"/> Rosuvastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1
xxxx	<input type="checkbox"/> Erythromycin	CYP3A4	xxxx	<input type="checkbox"/> Simvastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1
xxxx	<input type="checkbox"/> Escitalopram	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A, CYP3A5, GABRP, GRIK4, HTR2A, UGT2B15	xxxx	<input type="checkbox"/> Sirolimus	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1
xxxx	<input type="checkbox"/> Etiposide	ABCB1	xxxx	<input type="checkbox"/> Sorafenib	ABCB1
xxxx	<input type="checkbox"/> Factor 5 Leiden	MTHFR	xxxx	<input type="checkbox"/> Sparteine	SLCO1B1, CYP2D6
xxxx	<input type="checkbox"/> Factor II	MTHFR	xxxx	<input type="checkbox"/> SSRIs (general)	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A
xxxx	<input type="checkbox"/> Fenofibrate	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1	xxxx	<input type="checkbox"/> Sulphasalazine	ABCB1, ABCG2, CYP1A2, MTHFR
xxxx	<input type="checkbox"/> Fentanyl	ABCB1, COMT, OPRM1	xxxx	<input type="checkbox"/> Sulphonamides	CYP2C9
xxxx	<input type="checkbox"/> Flecainide	CYP2D6	xxxx	<input type="checkbox"/> Sunitinib	ABCB1, ABCG2, CYP3A5
xxxx	<input type="checkbox"/> Fluoxetine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Tamoxifen	ABCB1, CYP2D6, CYP3A4
xxxx	<input type="checkbox"/> Fluorouracil	ABCB1, ABCG2, DPYD, MTHFR, SLCO1B1	xxxx	<input type="checkbox"/> Tarcolimus	ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, SLCO1B1
xxxx	<input type="checkbox"/> Fluphenazine	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR	xxxx	<input type="checkbox"/> Taxanes	ABCB1
xxxx	<input type="checkbox"/> Fluvastatin	ABCG2, APOE, CYP3A4, KIF6, SLCO1B1	xxxx	<input type="checkbox"/> Thioridazine	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR
xxxx	<input type="checkbox"/> Fluvoxamine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Timolol	CYP2D6, UGT1A1, UGT2B7
xxxx	<input type="checkbox"/> Folocox	ABCG2	xxxx	<input type="checkbox"/> Tramadol	ABCB1, COMT, OPRM1
xxxx	<input type="checkbox"/> Gefitinib	ABCG2	xxxx	<input type="checkbox"/> Trifluoperazine	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR
xxxx	<input type="checkbox"/> Haloperidol	ANKK1, COMT, CYP1A2, CYP2D6, HTR2A, MTHFR	xxxx	<input type="checkbox"/> Trimipramine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A
xxxx	<input type="checkbox"/> Hydrocodone	ABCB1, COMT, OPRM1	xxxx	<input type="checkbox"/> Urea Derivatives	CYP2C9
xxxx	<input type="checkbox"/> Imatinib	ABCB1, CYP2B6, CYP3A5	xxxx	<input type="checkbox"/> Valproic acid	ABCB1, CYP1A2, CYP2C9, CYP3A4, CYP3A5, UGT2B7
xxxx	<input type="checkbox"/> Indinavir	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1	xxxx	<input type="checkbox"/> Venlafaxine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A, CYP3A5, GABRP, GRIK4, HTR2A, UGT2B15
xxxx	<input type="checkbox"/> Inipramine	ABCB1, COMT, CYP1A2, CYP2C19, CYP2D6, CYP3A5, GABRP, GRIK4, HTR2A	xxxx	<input type="checkbox"/> Vincristine	ABCB1
xxxx	<input type="checkbox"/> Irinotecan	SLCO1B1, UGT1A1	xxxx	<input type="checkbox"/> Warfarin	CYP2C9, VKORC1
xxxx	<input type="checkbox"/> Lamivudine	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1	xxxx	<input type="checkbox"/> Xelox	ABCG2
			xxxx	<input type="checkbox"/> Zidovudine	ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, HTR2A, UGT1A1