PreciseType™ HEA (human erythrocyte antigen) Test

NEW Test of Record for Extended Red Blood Cell Antigen Typing!

The first and only FDA-approved in-vitro diagnostic (IVD) for molecular typing of red blood cell (RBC) antigens

For more information about PreciseType™ HEA test, please call 855.IMMUCOR (855.466.8267) or visit www.immucor.com.

3130 Gateway Drive  
P.O. Box 5625  
Suite A7  
Norcross, Georgia 30091

In Canada:  
1.800.565.0653  
DBLCustomerService@immucor.com

Ordering Information

The PreciseType™ HEA Test Kit

Provides 96 tests in two formats:
• 8-chip slides (12)
• 96-chip microplate (1)

Supplied in two boxes:
• PCR, post-PCR, signal-development reagents, and a negative control
• Barcoded BeadChip slides/microplate and a disk with the chip-specific bead-map key for post-assay analysis

Catalog Number | Description                  | Number of Chips per Kit
---              |------------------------------|--------------------------
800-20202-08    | PreciseType HEA Slide Kit    | 8x12 Slides; Total 96    
800-20202-96    | PreciseType HEA Plate Kit    | 96x1 Plate; Total 96     

CPT Code: 81403

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PreciseType™ HEA test overcomes today’s limitations:

- Provides detailed genotypic and phenotypic patient profiles - a critical component of the medical health record
- Simplifies the identification of rare antigens
- As Test of Record, confirmation with antisera is not required
- Enables routine characterization of donor units for the most relevant antigens
- Determines true antigen make-up of recently transfused patients
- Unaffected by autoantibodies or differences in reagent reactivity

PreciseType™ HEA test provides clinicians with an exceptional new tool to assist in determining donor-patient compatibility and may enhance patient care.

### Proven Performance...Robust & Efficient!

PreciseType™ HEA test generates detailed molecular information from patient and donor samples, rapidly detecting genotypes for accurate prediction of phenotypes.

PreciseType™ HEA test results can be applied to a number of clinical situations and may enhance patient care in certain situations:

- **Hospital Transfusion Services**
  - Reduce the risk of alloimmunization and painful, potentially life-threatening transfusion reactions
  - Create a detailed database with antibody and molecular antigen typing information

- **Donor Centers**
  - Identify and maximize use of samples containing rare antigens
  - Provide phenotype-matched products for special patient populations
  - Deliver antigen-negative products for patients with alloantibodies

### Next-generation transfusion diagnostics:

PreciseType™ HEA test is a multiplexed molecular assay that:

- Tests for a wide range of genetic variants affecting RBC antigen expression
  - Automated array imaging
  - Computerized data management
- Detects 24 gene mutations and one polymorphism associated with hemoglobinopathies (HgbS)*
- Identifies the most relevant 35 RBC antigens plus three phenotypic variants from 11 blood groups simultaneously

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### Raising the Standard of Care: Advantages of Molecular Technology

PreciseType™ HEA test results are Repeatable and Reproducible:

<table>
<thead>
<tr>
<th>Blood Group</th>
<th>RBC Antigens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rh</td>
<td>C (PHS), c (PH4), E (PHS), e (PHS), V (PH10), V5 (PH5)</td>
</tr>
<tr>
<td>Kell</td>
<td>K (KEL1), k (KEL2), Kpa (KEL3), Kpb (KEL4), Jsa (KEL6), Jab (KEL7)</td>
</tr>
<tr>
<td>Duffy</td>
<td>Fya (FY1), Fyb (FY2), GATA, FY-2, Fyx (FY2W)</td>
</tr>
<tr>
<td>Kidd</td>
<td>Jsa (Jk1), Jab (Jk2)</td>
</tr>
<tr>
<td>MNS</td>
<td>M (MNS1), N (MNS2), S (MNS3), s (MNS4), Uvar (MNS-3,5W), Uneg (MNS-3,-4,-5)</td>
</tr>
<tr>
<td>Lutheran</td>
<td>Lua (LU1), Lub (LU2)</td>
</tr>
<tr>
<td>Dombrock</td>
<td>Dsa (D01), Dob (D02), Hy (D04), Jsa (D05)</td>
</tr>
<tr>
<td>Landsteiner-</td>
<td>Wwa (Ww5), Wwb (Ww7)</td>
</tr>
<tr>
<td>Wiener</td>
<td></td>
</tr>
<tr>
<td>Diego</td>
<td>Dsa (D1), Db (D32)</td>
</tr>
<tr>
<td>Colton</td>
<td>Csa (CO1), Csb (CO2)</td>
</tr>
<tr>
<td>Scianna</td>
<td>Sc1 (SC1), Sc2 (SC2)</td>
</tr>
</tbody>
</table>

*HgbS is not intended for the diagnosis of sickle cell disease.

**References:** 1. PreciseType Package Insert.