

## Certificate of Analysis

|                            |  |
|----------------------------|--|
| <b>Product Description</b> | AccuCell® Celiac Disease, Human Peripheral Blood Mononuclear Cells (PBMCs), 10 million cells   |
| <b>Product Number</b>      | 94114-10M  |
| <b>Lot Number</b>          | 2010113244   |
| <b>Storage Temperature</b> | ≤ -150°C, Vapor Phase Liquid Nitrogen  |
| <b>Cryopreservative</b>    | DMSO   |
| <b>Vial Fill Volume</b>    | 1.5 mL   |
| <b>Manufacture Date</b>    | 29-OCT-2015  |
| <b>Intended Use</b>        | For Research Use Only. Not for Use in Diagnostic or Therapeutic Procedures.  |
| <b>Caution</b>             | Use Universal Precautions for handling AccuCell® Cellular Products and other human specimens. Do not pipette by mouth. Avoid direct inhalation of the solution and use with adequate ventilation. Do not smoke, eat, or drink, in areas where specimens are being handled. Dispose of this product as appropriate for biohazardous material. |

| PARAMETER   | SPECIFICATION                                      | RESULT   |
|---|--|--|
| <b>Viable Cell Count Per Vial Post-Thaw/Post-Wash*</b>  | ≥ 1.0e7 viable cells                               | 1.4e7 viable cells   |
| <b>Cell Viability Post-Thaw/Post-Wash*</b><br>Viability based on assessment using propidium iodide. | ≥ 70%  | 96%  |
| <b>Donor Current Medications</b>  | Any  | Wellbutrin XL, Tirosint, Testosterone, DHEA, Vitamin D, Estrace, Potassium, Magnesium, Progesterone, HRT Hormone Replacement Therapy |
| <b>Donor Age</b>  | 18-75 years  | 55 years   |
| <b>Donor Height</b>   | centimeters  | 155 cm   |
| <b>Donor Weight</b>   | kilograms  | 66 kg  |
| <b>Donor Gender</b>   | Male/Female  | Female   |
| <b>Donor Ethnicity</b>  | Any  | Caucasian  |
| <b>Date of Diagnosis</b>  | Any  | 28-JAN-2014  |
| <b>Anticoagulant</b>  | ACD, Citrate, CPD, CPDA, CPDA-1, CPDA-2, or Na-Hep | CPDA-1   |


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| PARAMETER      | SPECIFICATION | RESULT   |
|----------------|---------------|----------|
| <b>HIV-1**</b> | Negative      | Negative |
| <b>HIV-2**</b> | Negative      | Negative |
| <b>HBV**</b>   | Negative      | Negative |
| <b>HCV**</b>   | Negative      | Negative |

\* Typical lot release data stated in COA for total viable cells and viability % are based on the thawing procedure described in the Package Insert.

\*\* The donor unit used for preparation of this product was screened for the listed viruses.

**Prepared by:**  \_\_\_\_\_

**Date:** 01/03/2017

**QA Review by:** Renee Noyes \_\_\_\_\_

**Date:** 03 Jan 2017