



**Nippi, Incorporated**  
**Biological and Chemical Products Division**

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CERTIFICATE of ANALYSIS

Product Name      iMatrix-511MG  
Lot No.              MG21F096  
Product No.        892 005

Contents	892 005 : 350 $\mu$ L $\times$ 6 pcs
Solvent	PBS(-)
Date of Manufacture	21 Jun. 2021
Expiration Date	20 Jun. 2023
Manufacturer	Nippi, Incorporated Biological and Chemical Products Division
Issue Date	03 Dec. 2021

Test Item	Specification	Result
Bacterial Endotoxins Test	No more than 5 EU/mg	< 0.6 EU/mg
Sterility Test	Negative	Negative
Mycoplasma Test (PCR)	Negative	Negative
Purity (SDS-PAGE)	More than 95%	99.3%
Integrin Binding Assay (K <sub>d</sub> )	1 nM or less	0.5 nM
PLANOVA Integrity Testing	More than 1.40	2.74
Concentration	500 $\mu$ g/mL ( $\pm$ 10%)	518 $\mu$ g/mL

Storage Condition: 2~15°C

*Y. Atsu*

03 Dec. 2021

Yuji Atsuzawa, Quality Manager