



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

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CERTIFICATE of ANALYSIS

Product Name                    iMatrix-511MG  
Lot No.                            MG20E080R  
Product No.                    892 005

Contents	892 005 : 350 $\mu$ L $\times$ 6 pcs
Solvent	PBS(-)
Date of Manufacture	25 May. 2020
Expiration Date	24 May. 2022
Manufacturer	Nippi, Incorporated Biological and Chemical Products Division
Issue Date	26 Nov. 2020

Test Item	Specification	Result
Bacterial Endotoxins Test	No more than 5 EU/mg	< 0.8 EU/mg
Sterility Test	Negative	Negative
Mycoplasma Test (PCR)	Negative	Negative
Purity (SDS-PAGE)	More than 95%	99.0%
Integrin Binding Assay (K <sub>d</sub> )	10 nM or less	0.5 nM
PLANOVA Integrity Testing	More than 1.40	2.25
Concentration	500 $\mu$ g/mL ( $\pm$ 10%)	490 $\mu$ g/mL

Storage Condition: 2~15°C

*Y. Atsu*

26 Nov. 2020

Yuji Atsuzawa, Quality Manager