



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

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CERTIFICATE of ANALYSIS

Product Name                    iMatrix-221

Lot No.                            20C004

Product No.                    892 061  
    892 062

Contents	892 061 : 350 $\mu$ L $\times$ 2 pcs 892 062 : 350 $\mu$ L $\times$ 6 pcs
Solvent	PBS(-)
Date of Manufacture	06 Mar. 2020
Expiration Date	05 Mar. 2022
Manufacturer	Nippi, Incorporated Biological and Chemical Products Division
Issue Date	16 Apr. 2020

Test Item	Specification	Result
Bacterial Endotoxins Test	No more than 750 EU/mg	< 1.0 EU/mg
Sterility Test	Negative	Negative
Mycoplasma Test (PCR)	Negative	Negative
Purity (SDS-PAGE)	More than 95%	97.2%
Integrin Binding Assay (K <sub>d</sub> )	10 nM or less	0.9 nM
Concentration	500 $\mu$ g/mL ( $\pm$ 10%)	492 $\mu$ g/mL

*Y. Atsuzawa*

16. Apr. 2020

Yuji Atsuzawa, Quality Manager