

KAWASAKI STEEL TECHNICAL REPORT

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"Environment-friendly Steel Products" and  
"Environment Preservation Technology"

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Silver Dispersed Stainless Steel with Antibacterial Property

Takeshi Yokota, Misako Tochiyama, Masayuki Ohta

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Synopsis :

Kawasaki Steel has developed Ag-bearing stainless steels having an antibacterial property, namely an effect of suppressing the growth of bacteria, in response to the recent tendency to emphasize hygiene and cleanliness. In an antibacterial activity test, Ag-bearing stainless steels showed antibacterial activity with respect to O-157, MRSA, *Salmonella* as well as *Escherichia coli* and *Staphylococcus aureus*. In a cyclical corrosion test, Ag-bearing stainless steels showed the same corrosion resistance as Ag-free stainless steel. It was found that Ag-bearing stainless steel has both excellent antibacterial property and corrosion resistance.

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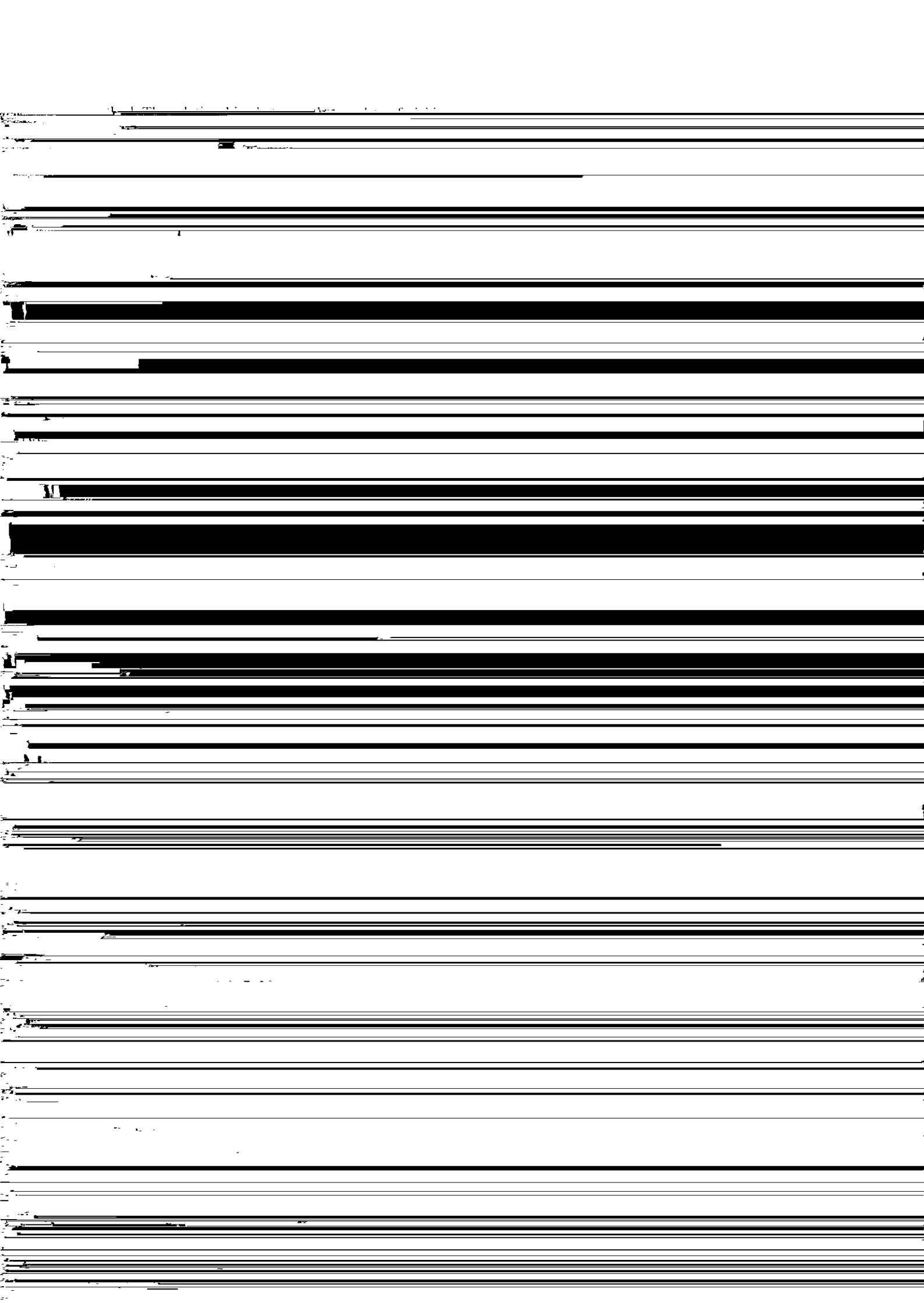
The body can be viewed from the next page.

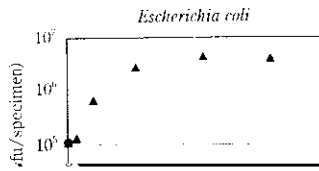
# Silver Dispersed Stainless Steel

*Synopsis:*

*Kawasaki Steel has developed Ag-bearing stainless*







#### 4 Mechanisms of Antibacterial Activity Appearance and Maintaining Corrosion Resistance of Ag-bearing Steel

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

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